The All-Weather Wood Grain Polymer Sheet

King StarBoard® WG is a high-density polyethylene sheet with a wood grain finish. It is the product of a proprietary process called K-Stran™, the most advanced manufacturing process for superior flatness and consistency. King StarBoard® WG has a wood grain finish on both sides of the sheet. It is environmentally stabilized to withstand the harshest outdoor conditions. King StarBoard® WG will not rust, delaminate or rot when exposed to UV, humidity or water. It is ideal for a variety of applications from replacing wood, to building furniture. The wood grain polymer sheet never needs painting or refinishing, works like wood, and is easy to fabricate with common woodworking tools and techniques.

King Plastic pioneered King StarBoard®, the original marine-grade polymer sheet. Now, we deliver the highest performance and durability in our new wood grain plastic sheet King StarBoard® WG with elegance and casual sophistication for outdoor living. King StarBoard® WG, the all-weather wood grain polymer sheet inspiring everyone to live outdoors.

King StarBoard® WG is upgradable to King MicroShield® with an advanced antimicrobial technology for protecting the product surface against stain and odor causing bacteria, algae and fungi.*

King StarBoard® WG is upgradable with King FlameShield, for ASTM E-84 Class A Flame Compliance and CAN/ULC-S102 for Canadian Compliance.

For more information about King MicroShield® and King FlameShield, please visit www.kingplastic.com

KING STARBOARD® WG

Applications

- Fire Pits
- Indoor and Outdoor Cabinets
- Outdoor Cabinetry & Storage
- Outdoor Furniture
- Planters
- Tabletops
- Boat Components

Specifications

Standard Sheet Sizes
in: 48" x 96"
mm   1219 mm x 2438 mm

Standard Gauges
in: 1/2" | 3/4"
mm: 12.7 mm | 19 mm

Approximate Weight 48" x 96"
lbs: 80 lbs | 120 lbs
kg: 36.3 kg | 54.4 kg

Tolerance information: Gauges 1/4" up to 1-1/2" ± 5%
Length and width plus only at room temperature

Custom sheet sizes, gauges, and colors available

Standard Colors

| Mocha Brown | Nutmeg | Indigo | Charcoal Gray | Slate Gray |

Note: Color accuracy can vary considerably on computer monitors and printers. Please consult your distributor for a product sample before making critical color choices. Disclaimer: King MicroShield® may affect color. King FlameShield may affect finish and color.

*For bacteriostatic, fungistatic, & algistatic properties. This product is exempt from registration under 40 CFR 152.25(a). King MicroShield® effectiveness verified by ISO and ASTM standards. This product does not protect users or others from disease-causing bacteria. Always clean this product thoroughly after use.

Properties	Units	ASTM	Nominal Values
Density	g/cc	D1505	0.955
Tensile Strength @ Yield	psi	D638	>4,100
Tensile Modulus	psi	D638	255,000
Elongation @ Break	%	D638	>600
Elongation @ Yield	%	D638	9.8
Flexural Modulus	psi	D790	185,000
Flexural Stress @ 5% Strain	psi	D790	3,810
Compressive Properties 10% Strain	psi	D695	4,950
Durometer	Shore D	D2240	68
Tensile Impact	ft.lbs./in.^{2}	D1822	115
Izod Impact Resistance	ft.lbs./in.^{2}	D256	1.1
Brittleness Temp.	°C (°F)	D746	<-76°C (<-105°F)
Vicat Softening Temp.	°C (°F)	D1525	123°C (253°F)
Heat Deflection Temp. 66 psi	°C (°F)	D648	75°C (167°F)
Screw and Nail Withdrawal	lbs	D1761	657 & 63
Flammability	Rating	UL94	HB

All values are determined on specimens prepared according to ASTM standards.

Nominal values should not be interpreted as specifications.

King StarBoard® WG is made entirely from FDA and USDA approved material.

King StarBoard® WG meets ASTM D4976. | The raw material used to make King StarBoard® WG does not contain BPA's or Phthalates.